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## publications

### refereed journal publications

Privacy Attitudes of Smart Speaker Users

*Malkin, N., Deatrick, J., Tong, A., Wijesekera, P., Wagner, D., and Egelman, S. Proceedings on Privacy Enhancing Technologies 2019.4 (2019).*

“Won’t Somebody Think of the Children?” Examining COPPA Compliance at Scale

*Reyes, I., Wijesekera, P., Reardon, J., On, A. E. B., Razaghpanah, A., Vallina-Rodriguez, N., and Egelman, S. Proceedings on Privacy Enhancing Technologies 2018.3 (2018) pp. 63–83.*

A Usability Evaluation of Tor Launcher

*Lee, L., Fifield, D., Malkin, N., Iyer, G., Egelman, S., and Wagner, D. Proceedings on Privacy Enhancing Technologies 2017.3 (2017) pp. 87–106.*

The Effect of Online Privacy Information on Purchasing Behavior: An Experimental Study

*Tsai, J., Egelman, S., Cranor, L., and Acquisti, A. Information Systems Research 22.2 (2011) pp. 254–268. **AIS Best Publication of 2011 Award / INFORMS Best Published Paper Award (2012)***

P3P Deployment on Websites

*Cranor, L. F., Egelman, S., Sheng, S., McDonald, A. M., and Chowdhury, A. Electronic Commerce Research and Applications 7.3 (2008) pp. 274–293.*

The Real ID Act: Fixing Identity Documents with Duct Tape

*Egelman, S., and Cranor, L. F. I/S: A Journal of Law and Policy for the Information Society 2.1 (2006) pp. 149–183.*

### refereed conference publications

A Promise Is A Promise: The Effect of Commitment Devices on Computer Security Intentions

*Frik, A., Malkin, N., Harbach, M., Peer, E., and Egelman, S. Proceedings of the SIGCHI Conference on Human Factors in Computing Systems (CHI '19), 2019.*

Privacy and Security Threat Models and Mitigation Strategies of Older Adults

*Frik, A., Nurgalieva, L., Bernd, J., Lee, J. S., Schaub, F., and Egelman, S. Proceedings of the 15th Symposium on Usable Privacy and Security (SOUPS '19), 2019, Berkeley, CA, USA.*

Information Design in An Aged Care Context

*Nurgalieva, L., Frik, A., Ceschel, F., Egelman, S., and Marchese, M. Proceedings of the 13th International Conference on Pervasive Computing Technologies for Healthcare (PervasiveHealth '19), 2019, New York, NY, USA.*

50 Ways to Leak Your Data: An Exploration of Apps’ Circumvention of the Android Permissions System

*Reardon, J., Feal, A., Wijesekera, P., On, A. E. B., Vallina-Rodriguez, N., and Egelman, S. Proceedings of the 24th USENIX Security Symposium (USENIX Security '19), 2019, Berkeley, CA, USA. **Distinguished Paper Award***

An Experience Sampling Study of User Reactions to Browser Warnings in the Field

*Reeder, R. W., Felt, A. P., Consolvo, S., Malkin, N., Thompson, C., and Egelman, S. Proceedings of the SIGCHI Conference on Human Factors in Computing Systems (CHI '18), 2018.*

Contextualizing Privacy Decisions for Better Prediction (and Protection)

Wijesekera, P., Reardon, J., Reyes, I., Tsai, L., Chen, J.-W., Good, N., Wagner, D., Beznosov, K., and Egelman, S. *Proceedings of the SIGCHI Conference on Human Factors in Computing Systems (CHI '18)*, 2018. **SIGCHI Honorable Mention Award**

Let's go in for a closer look: Observing passwords in their natural habitat

Pearman, S., Thomas, J., Naeini, P. E., Habib, H., Bauer, L., Christin, N., Cranor, L. F., Egelman, S., and Forget, A. *Proc. of the ACM SIGSAC Conference on Computer & Communications Security (CCS '17)*, 2017, New York, NY, USA.

Turtle Guard: Helping Android Users Apply Contextual Privacy Preferences

Tsai, L., Wijesekera, P., Reardon, J., Reyes, I., Egelman, S., Wagner, D., Good, N., and Chen, J.-W. *Proceedings of the 13th Symposium on Usable Privacy and Security (SOUPS '17)*, 2017.

The Feasibility of Dynamically Granted Permissions:

Aligning Mobile Privacy with User Preferences

Wijesekera, P., Baokar, A., Tsai, L., Reardon, J., Egelman, S., Wagner, D., and Beznosov, K. *Proceedings of the 2017 IEEE Symposium on Security and Privacy (Oakland '17)*, 2017.

Do or Do Not, There Is No Try: User Engagement May Not Improve Security Outcomes

Forget, A., Pearman, S., Thomas, J., Acquisti, A., Christin, N., Cranor, L. F., Egelman, S., Harbach, M., and Telang, R. *Proc. of the 12th Symposium on Usable Privacy and Security (SOUPS '16)*, 2016.

Behavior Ever Follows Intention? A Validation of the Security Behavior Intentions Scale (SeBIS)

Egelman, S., Harbach, M., and Peer, E. *Proceedings of the SIGCHI Conference on Human Factors in Computing Systems (CHI '16)*, 2016. **SIGCHI Honorable Mention Award**

The Anatomy of Smartphone Unlocking: A Field Study of Android Lock Screens

Harbach, M., Luca, A. D., and Egelman, S. *Proceedings of the SIGCHI Conference on Human Factors in Computing Systems (CHI '16)*, 2016. **SIGCHI Honorable Mention Award**

Keep on Lockin' in the Free World: A Transnational Comparison of Smartphone Locking

Harbach, M., Luca, A. D., Malkin, N., and Egelman, S. *Proceedings of the SIGCHI Conference on Human Factors in Computing Systems (CHI '16)*, 2016. **SIGCHI Honorable Mention Award**

The Teaching Privacy Curriculum

Egelman, S., Bernd, J., Friedland, G., and Garcia, D. *Proceedings of the 47th ACM technical symposium on Computer Science Education (SIGCSE '16)*, 2016.

Android Permissions Remystified: A Field Study on Contextual Integrity

Wijesekera, P., Baokar, A., Hosseini, A., Egelman, S., Wagner, D., and Beznosov, K. *24th USENIX Security Symposium (USENIX Security 15)*, 2015, Washington, D.C.

Is This Thing On? Communicating Privacy on Ubiquitous Sensing Platforms

Egelman, S., Kannavara, R., and Chow, R. *Proceedings of the SIGCHI Conference on Human Factors in Computing Systems (CHI '15)*, 2015, New York, NY, USA.

Scaling the Security Wall: Developing a Security Behavior Intentions Scale (SeBIS)

Egelman, S., and Peer, E. *Proceedings of the SIGCHI Conference on Human Factors in Computing Systems (CHI '15)*, 2015, New York, NY, USA. **SIGCHI Honorable Mention Award**

Fingerprinting Web Users through Font Metrics

Fifield, D., and Egelman, S. *Proceedings of the 19th international conference on Financial Cryptography and Data Security (FC'15)*, 2015.

Somebody's Watching Me? Assessing the Effectiveness of Webcam Indicator Lights

Portnoff, R., Lee, L., Egelman, S., Mishra, P., Leung, D., and Wagner, D. *Proceedings of the SIGCHI Conference on Human Factors in Computing Systems (CHI '15)*, 2015, New York, NY, USA.

Are You Ready to Lock? Understanding User Motivations for Smartphone Locking Behaviors

Egelman, S., Jain, S., Portnoff, R. S., Liao, K., Consolvo, S., and Wagner, D. *Proc. of the ACM SIGSAC Conference on Computer & Communications Security (CCS '14)*, 2014, New York, NY, USA.

The Effect of Developer-Specified Explanations for Permission Requests on Smartphone User Behavior

Tan, J., Nguyen, K., Theodorides, M., Negron-Arroyo, H., Thompson, C., Egelman, S., and Wagner,

*D. Proceedings of the SIGCHI Conference on Human Factors in Computing Systems (CHI '14), 2014, Toronto, Canada.*

The Importance of Being Earnest [in Security Warnings]

*Egelman, S., and Schechter, S. Proceedings of the 17th international conference on Financial Cryptography and Data Security (FC'13), 2013, Okinawa, Japan.*

My Profile Is My Password, Verify Me! The Privacy/Convenience Tradeoff of Facebook Connect

*Egelman, S. Proceedings of the SIGCHI Conference on Human Factors in Computing Systems (CHI '13), 2013, Paris, France.*

Does My Password Go up to Eleven? The Impact of Password Meters on Password Selection

*Egelman, S., Sotirakopoulos, A., Muslukhov, I., Beznosov, K., and Herley, C. Proceedings of the SIGCHI Conference on Human Factors in Computing Systems (CHI '13), 2013, Paris, France.*

When It's Better to Ask Forgiveness than Get Permission: Attribution Mechanisms for Smartphone Resources

*Thompson, C., Johnson, M., Egelman, S., Wagner, D., and King, J. Proceedings of the Ninth Symposium on Usable Privacy and Security (SOUPS '13), 2013, Newcastle, United Kingdom.*

Android permissions: user attention, comprehension, and behavior

*Felt, A. P., Ha, E., Egelman, S., Haney, A., Chin, E., and Wagner, D. Proceedings of the Eighth Symposium on Usable Privacy and Security (SOUPS '12), 2012, Washington, D.C. **SOUPS Best Paper Award (2012) / SOUPS Impact Award (2017)***

Facebook and privacy: it's complicated

*Johnson, M., Egelman, S., and Bellovin, S. M. Proceedings of the Eighth Symposium on Usable Privacy and Security (SOUPS '12), 2012, Washington, D.C.*

It's all about the Benjamins: Incentivizing users to ignore security advice

*Christin, N., Egelman, S., Vidas, T., and Grossklags, J. Proceedings of the 15th international conference on Financial Cryptography and Data Security (FC'11), 2011, Gros Islet, St. Lucia.*

Oops, I did it again: mitigating repeated access control errors on facebook

*Egelman, S., Oates, A., and Krishnamurthi, S. Proceedings of the SIGCHI Conference on Human Factors in Computing Systems (CHI '11), 2011, Vancouver, BC, Canada.*

Of passwords and people: measuring the effect of password-composition policies

*Komanduri, S., Shay, R., Kelley, P. G., Mazurek, M. L., Bauer, L., Christin, N., Cranor, L. F., and Egelman, S. Proceedings of the SIGCHI Conference on Human Factors in Computing Systems (CHI '11), 2011, Vancouver, BC, Canada. **SIGCHI Honorable Mention Award***

Timing is everything?: the effects of timing and placement of online privacy indicators

*Egelman, S., Tsai, J., Cranor, L. F., and Acquisti, A. Proceedings of the SIGCHI Conference on Human Factors in Computing Systems (CHI '09), 2009, Boston, MA, USA.*

It's No Secret: Measuring the Security and Reliability of Authentication via 'Secret' Questions

*Schechter, S., Brush, A. J. B., and Egelman, S. Proceedings of the 2009 IEEE Symposium on Security and Privacy (Oakland '09), 2009, Los Alamitos, CA, USA.*

It's not what you know, but who you know: a social approach to last-resort authentication

*Schechter, S., Egelman, S., and Reeder, R. W. Proceedings of the SIGCHI Conference on Human Factors in Computing Systems (CHI '09), 2009, Boston, MA, USA.*

Crying wolf: an empirical study of SSL warning effectiveness

*Sunshine, J., Egelman, S., Almuhammedi, H., Atri, N., and Cranor, L. F. Proceedings of the 18th USENIX Security Symposium (SSYM'09), 2009, Montreal, Canada.*

Family accounts: a new paradigm for user accounts within the home environment

*Egelman, S., Brush, A. J. B., and Inkpen, K. M. Proceedings of the 2008 ACM Conference on Computer Supported Cooperative Work (CSCW '08), 2008, San Diego, CA, USA.*

You've Been Warned: An empirical study of the effectiveness of browser phishing warnings

*Egelman, S., Cranor, L. F., and Hong, J. CHI '08: Proceeding of The 26th SIGCHI Conference on Human Factors in Computing Systems (CHI '08), 2008, Florence, Italy. **SIGCHI Honorable Mention Award***

Phinding Phish: Evaluating Anti-Phishing Tools

*Zhang, Y., Egelman, S., Cranor, L. F., and Hong, J. Proceedings of the 14th Annual Network & Distributed System Security Symposium (NDSS '07), 2007, San Diego, CA.*

Power Strips, Prophylactics, and Privacy, Oh My!

*Gideon, J., Egelman, S., Cranor, L., and Acquisti, A. Proceedings of the Second Symposium on Usable Privacy and Security (SOUPS '06), 2006, Pittsburgh, PA.*

An analysis of P3P-enabled web sites among top-20 search results

*Egelman, S., Cranor, L. F., and Chowdhury, A. Proceedings of the 8th international conference on Electronic commerce: The new e-commerce: innovations for conquering current barriers, obstacles and limitations to conducting successful business on the internet (ICEC '06), 2006, Fredericton, New Brunswick, Canada.*

### **refereed workshop publications**

Do You Get What You Pay For? Comparing The Privacy Behaviors of Free vs. Paid Apps

*Han, C., Reyes, I., On, A. E. B., Reardon, J., Feal, A., Bamberger, K. A., Egelman, S., and Vallina-Rodriguez, N. The Workshop on Technology and Consumer Protection (ConPro '19), 2019.*

On The Ridiculousness of Notice and Conset: Contradictions in App Privacy Policies

*Okoyomon, E., Samarin, N., Wijesekera, P., On, A. E. B., Vallina-Rodriguez, N., Reyes, I., Feal, A., and Egelman, S. The Workshop on Technology and Consumer Protection (ConPro '19), 2019.*

Better Late(r) than Never: Increasing Cyber-Security Compliance by Reducing Present Bias

*Frik, A., Egelman, S., Harbach, M., Malkin, N., and Peer, E. Workshop on the Economics of Information Security (WEIS '18), 2018.*

“What Can’t Data Be Used For?” Privacy Expectations about Smart TVs in the U.S.

*Malkin, N., Bernd, J., Johnson, M., and Egelman, S. Proceedings of the European Workshop on Usable Security (EuroUSEC '18), 2018.*

Personalized Security Messaging: Nudges for Compliance with Browser Warnings

*Malkin, N., Mathur, A., Harbach, M., and Egelman, S. Proceedings of the European Workshop on Usable Security (EuroUSEC '17), 2017.*

“Is Our Children’s Apps Learning?” Automatically Detecting COPPA Violations

*Reyes, I., Wijesekera, P., Razaghpanah, A., Reardon, J., Vallina-Rodriguez, N., Egelman, S., and Kreibich, C. The Workshop on Technology and Consumer Protection (ConPro '17), 2017.*

Information Disclosure Concerns in The Age of Wearable Computing

*Lee, L. N., Lee, J. H., Egelman, S., and Wagner, D. Proceedings of the NDSS Workshop on Usable Security (USEC '16), 2016.*

The Myth of the Average User:

Improving Privacy and Security Systems through Individualization

*Egelman, S., and Peer, E. Proceedings of the 2015 Workshop on New Security Paradigms (NSPW '15), 2015, Twente, The Netherlands.*

Teaching Privacy: What Every Student Needs to Know

*Friedland, G., Egelman, S., and Garcia, D. Proceedings of the 46th SIGCSE technical symposium on computer science education (Workshop), 2015.*

U-PriSM 2: The Second Usable Privacy and Security for Mobile Devices Workshop

*Chiasson, S., Crawford, H., Egelman, S., and Irani, P. Proc. of the 15th International Conference on Human-computer Interaction with Mobile Devices and Services (MobileHCI '13), 2013, Munich, Germany.*

Markets for Zero-day Exploits: Ethics and Implications

*Egelman, S., Herley, C., and Oorschot, P. C. van Proceedings of the 2013 Workshop on New Security Paradigms Workshop (NSPW '13), 2013, Banff, Alberta, Canada.*

Choice Architecture and Smartphone Privacy: There’s A Price for That

*Egelman, S., Felt, A. P., and Wagner, D. The 2012 Workshop on the Economics of Information Security (WEIS '12), 2012, Berlin, Germany.*

- How Good Is Good Enough? The sisyphian struggle for optimal privacy settings  
*Egelman, S., and Johnson, M. Proceedings of the Reconciling Privacy with Social Media Workshop (CSCW '12 Workshop), 2012, Seattle, WA.*
- It's Not Stealing if You Need It: A Panel on the Ethics of Performing Research Using Public Data of Illicit Origin  
*Egelman, S., Bonneau, J., Chiasson, S., Dittrich, D., and Schechter, S. Proceedings of the 16th International Conference on Financial Cryptography and Data Security (FC'12), 2012.*
- How to ask for permission  
*Felt, A. P., Egelman, S., Finifter, M., Akhawe, D., and Wagner, D. Proceedings of the 7th USENIX conference on Hot Topics in Security (HotSec'12), 2012, Bellevue, WA.*
- I've got 99 problems, but vibration ain't one: a survey of smartphone users' concerns  
*Felt, A. P., Egelman, S., and Wagner, D. Proceedings of the second ACM workshop on Security and privacy in smartphones and mobile devices (SPSM '12), 2012, Raleigh, North Carolina, USA.*
- Toward Privacy Standards Based on Empirical Studies  
*Egelman, S., and McCallister, E. The Workshop on Web Tracking and User Privacy (W3C Workshop), 2011, Princeton, NJ.*
- Please Continue to Hold: An Empirical Study on User Tolerance of Security Delays  
*Egelman, S., Molnar, D., Christin, N., Acquisti, A., Herley, C., and Krishnamurthi, S. Workshop on the Economics of Information Security (WEIS '10) (WEIS '10), 2010, Cambridge, MA.*
- Tell Me Lies: A Methodology for Scientifically Rigorous Security User Studies  
*Egelman, S., Tsai, J., and Cranor, L. F. Proceedings of the Workshop on Studying Online Behavior (CHI '10 Workshop), 2010, Atlanta, GA.*
- This is Your Data on Drugs: Lessons Computer Security Can Learn from the Drug War  
*Molnar, D., Egelman, S., and Christin, N. Proceedings of the 2010 Workshop on New Security Paradigms (NSPW '10), 2010, Concord, Massachusetts, USA.*
- Security user studies: methodologies and best practices  
*Egelman, S., King, J., Miller, R. C., Ragouzis, N., and Shehan, E. CHI '07 Extended Abstracts on Human Factors in Computing Systems (CHI EA '07), 2007, San Jose, CA, USA.*
- The Effect of Online Privacy Information on Purchasing Behavior: An Experimental Study  
*Tsai, J., Egelman, S., Cranor, L., and Acquisti, A. Proceedings of the 2007 Workshop on the Economics of Information Security (WEIS '07), 2007, Pittsburgh, PA, USA.*
- Studying the Impact of Privacy Information on Online Purchase Decisions  
*Egelman, S., Tsai, J., Cranor, L. F., and Acquisti, A. Proceedings of the Workshop on Privacy and HCI: Methodologies for Studying Privacy Issues (CHI '06 Workshop), 2006, Montreal, Canada.*

### **book chapters and magazine articles**

- Predicting Privacy and Security Attitudes  
*Egelman, S., and Peer, E. Computers and Society, 2015, ACM.*
- Crowdsourcing  
*Egelman, S., Chi, E., and Dow, S. Ways of Knowing in HCI, 2013, Springer.*
- Helping users create better passwords  
*Ur, B., Kelley, P. G., Komanduri, S., Lee, J., Maass, M., Mazurek, M., Passaro, T., Shay, R., Vidas, T., Bauer, L., Christin, N., Cranor, L. F., Egelman, S., and Lopez, J. ;login: 2012, USENIX Association.*
- Suing Spammers for Fun and Profit  
*Egelman, S. ;login: 2004, USENIX Association.*
- Installation  
*Egelman, S. Peter Norton's Complete Guide to Linux, 1999, Macmillan Computer Publishing.*
- User Administration  
*Egelman, S. Peter Norton's Complete Guide to Linux, 1999, Macmillan Computer Publishing.*